

3(7)

SOV/26-59-6-16/51

AUTHOR: Kogan-Beletskiy G.I., Candidate of Technical Sciences
(Leningrad)

TITLE: Hail at Great Heights

PERIODICAL: Priroda, 1959,⁴⁴ Nr 6, pp 79-81 (USSR)

ABSTRACT: The author deals with the problem of hail in high altitudes, which can prove harmful to airplanes. He reports two examples, where this phenomenon occurred at altitudes of 11,300 m and 9,500 m. The latter example is taken from "The Meteorological Magazine" of the British Air Ministry (vol.87, 1958, Nr 1, p 27). On the basis of an analysis of all cases known to him, the author concludes that the structure of clouds, where hail is observed, is entirely different from the structure of clouds of the cirrostratus type. The phenomenon of hail and icing gives evidence, that in the cloud, notwithstanding the very low temperature (it can be below -40°), are many large and small

Card 1/3

3.5000

AUTHOR: Kogan-Beletskiy, G. I.

S/050/60/000/04/002/018
B007/B017

TITLE: Estimation of Flight Conditions at High Altitudes

PERIODICAL: Meteorologiya i gidrologiya, 1960, Nr 4, pp 10-16 (USSR)

TEXT: It is stated that when estimating meteorological conditions of flights it is necessary to proceed from the aspect of flying safety in addition to the economic side. In each case, a solution can be found only if the influence exerted by meteorological factors on the flight indices of the airplane and particularly on its ceiling is properly estimated. It is first necessary to take into account the influence exerted by the divergence of air temperature from the temperature of standard atmosphere upon the change in the barometric height of the airplane ceiling (Refs 1, 2). In most of the modern airplanes the ceiling exceeds the height of standard atmosphere (11 km) (beginning of the stratosphere). For such altitudes, the barometric height of the ceiling may be calculated from formula (1), considering the actual air temperature. Flying experience shows, however, that when estimating the influence exerted by meteorological factors on the airplane ceiling, it is not sufficient to consider only the afore-mentioned air temperature divergence. It is furthermore necessary to know the absolute ceiling besides the barometric height. If the height of the traversed region above sea level is

Card 1/3

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Estimation of Flight Conditions at High AltitudesS/050/60/000/04/002/018
B007/B017

known, one can pass over from the absolute height to the actual one. It is shown here how to calculate the absolute and the barometric height of the airplane ceiling under such conditions as actually occur in the atmosphere. The change in the barometric height of the ceiling is calculated first. Next, the absolute height is determined on the basis of data on altitudinal temperature and pressure distribution. The aerological diagram can be used to calculate the barometric and the absolute height. First, the limits are calculated from formula (1), within which the barometric height of the ceiling changes in dependence of the divergences of air temperature from the temperature in the standard atmosphere. These values for heights of from 11 to 20 km are then plotted on the aerological diagram (Fig 1). This figure offers an example of how to calculate the barometric and the absolute height of the ceiling at the various levels, considering the actual altitudinal pressure and temperature distribution. Such aerological diagrams have now been issued to the meteorological subdepartments in charge of air traffic. Figures 2 and 3 offer an example of how to calculate the ceiling for a wide area on the strength of temperature probing data of August 14, 1957. It is shown that a change of the airplane weight by 5000 kg corresponds to an increase or a decrease, respectively, of the ceiling by about 500 m. Ceiling fluctuations in modern airplanes, due to the divergence of the actual temperature from the temperature in the standard atmosphere, often attain these values. It may be seen from figure 3.

Card 2/3 ✓

AUTHOR:

Kogan-Beletskiy, G. I.

50-12-9/19

TITLE:

On the Question of Determining the Boundary of the Tropopause
(K voprosu opredeleniya granits tropopauzy)

PERIODICAL:

Meteorologiya i Gidrologiya, 1957, Nr 12, pp. 36 - 39 (USSR)

ABSTRACT:

In connection with the necessity of the air traffic control in great heights a regular receipt of the data about the boundaries of the tropopause was required.

Basing on extensive data I. A. Klemin has proved that in vast majority of the cases the tropopause, has a stratified structure. He has proposed to call the lower part of the tropopause, in which at increasing heights a retarded decrease of temperature is observed, an "upper disturbed troposphere", and the inversion layer in the tropopause a "substratosphere". The minimum temperature values in the tropopause Klemin has called "characteristic surface". Such a conception of the tropopause really reflects its nature and properties, and is confirmed by results of temperature sounding, as well as by a series of meteorological phenomena, being observed in the tropopause and in the heights adjacent to it.

The lacking of stable traces of condensation in the substratosphere and lower stratosphere was proved at a great number of examples

Card 1/2

On the Question of Determining the Boundary of the Tropopause

50-12-9/19

under various meteorological conditions and at the different synoptic processes.

From the above-mentioned it is evident, of what a great importance is the exact statement of the boundary of the tropopause for the diagnosis and the forecast of a series of important meteorological phenomena, with respect to the air traffic. The experience shows that it is expedient for the statement of the tropopause to characterize in the vertical intersections or on the tropopause map the beginning of the stratum of the retarded temperature decrease and the characteristic surface.

The complex analysis of the spatial structure of the tropopause by means of vertical atmosphere intersections, the maps of the barometric topography of the areas of high pressure, as well as the secondary-ground-synoptic-maps and reports of the flying staff grant to exclude the accidental errors, which could take place at the determination of the tropopause. There are 2 figures, 1 table, and 8 references, 7 of which are Slavic.

AVAILABLE: Library of Congress

Card 2/2

1. Tropopause-Boundary-Determination

KOGAN-BELETSKIY, G.I. (Leningrad)

Methods for determining cloud boundaries from airplanes. Meteor.i
gidrol. no.8:42-46 J1 [i.e. Ag.] '62. (MIRA 15:7)
(Clouds) (Aeronautics in meteorology)

VOLCHEK, Ol'gerd [Wolczek, Olgierd]; BRYNSKIY, Ye.S. [translator];
KOGAN-BELETSKIY, G.I., kand. tekhn. nauk, nauchn. red.;
ZEL'MANOVA, L.A., red.

[Secrets wrung from heaven. Translated from the Polish]
Tainy pokhishcheniya u neba. Leningrad, Gidrometeoizdat,
1965. 167 p. (MIRA 18:8)

KOGAN-BERMAN, M. YA.

37443. O napraylenii plemennoy raboty v tsigayskom ovtsevodstve. Sots. Zhivotnovodstvo, 1949, No. 8, s. 63-39.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949.

1. KOGAN-BERMAN, M. Ya.
2. USSR (600)
4. Sheep Breeds
7. Present status of TSigaisk sheep breeding in the U.S.S.R. Trudy VIZh 20, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KOGAN-BERMAN, M.Ya., kand.sel'skokhozyaystvennykh nauk

Prospects for expanding Tsigai sheep breeding. Zhivotnovodstvo
20 no.9:61-68 8 '58. (MIRA 11:10)
(Sheep breeds)

KOGAN-GSHYY, V. N.

25843 Kogan-Gshyy, V. N., Etiopatogenez I Terapiya Gipertonii V Svete
Nashikh Izyskaniy. Sov. Meditsina, 1948, No. 7, S. 13 - 14

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

KOGAN- MALICHENKO, I.S., assistant

Effect of climatic an' living conditions on the pathogenesis
and development of climacteric disorders after hysterectomy.
Med. zh. Uzbek. 3:22-25 '63 (MIRA 17:2)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.A.Kogan)
lechebnogo fakul'teta Tashkentskogo gosudarstvennogo meditsinskogo instituta.

"APPROVED FOR RELEASE: 09/18/2001

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CIA-RDP86-00513R000723620007-4"

PHASE I BOOK EXPLOITATION 644

Kogan-Vol'man, Georgiy Izrailevich, Candidate of Technical Sciences

Gibkiye provolochnyye valy (Flexible Wire Shafts) Moscow, Mashgiz,
1957. 246 p. 4,000 copies printed.

Reviewers: Ed.: Sapozhkov, N.M., Engineer; Tech. Ed.: Model',
B.I.; Ed. of Publishing House: Stupin, A.K.; Managing Ed.
for general technical literature and catalogs (Mashgiz):
Ponomareva, K.A., Engineer; Chernyshev, Candidate of
Technical Sciences and Zavaretsev, A.M., Engineer.

PURPOSE: This book is intended for engineers and technical personnel
engaged in design, manufacture and operation of power-drive and
remote-control flexible shafts.

COVERAGE: The author attempts to generalize the basic problems of
design, manufacture and operation of power drives and remote-
control drives with flexible shafts. The following characteris-
tics of such drives are discussed: torsional stiffness,

Card 1/10

Flexible Wire Shafts**644**

operational stability, bending stiffness, accuracy of remote controls and various factors affecting their performance, efficiency, load capacity, wear and typical failures of a shaft. Methods of manufacture and testing are also discussed in detail. The book contains illustrations of various testing equipment and the equipment used for winding of flexible wire shafts. The author mentions the following personalities who took part in selecting the material necessary for the book: A.A. Starosel'skiy, Candidate of Technical Sciences, and Engineers A.A. Borodashkin, Ye. B. Van-Geyek, G.Sh. Kazakov, A.D. Kapitonov, Ye. A. Kuznetsova, S.P. Kuznetsov, P.A. Shmakalov, and S.M. Shits. There are 29 references 23 of which are Soviet and 6 English.

**TABLE OF
CONTENTS:****Foreword****3****Card 2/10**

KOGAN-VOL'MAN, G.I., kandidat tekhnicheskikh nauk.

Results of the conference on problems of calculating, designing,
producing and using flexible wire shafts. Stroi. i dor. mashinostr.
no.2:38 p '57. (MLRA 10:3)

(Odessa-Shafts and shafting)

KOGAN-VOL'MAN C. /

PLATE 1 BOOK INFORMATION 507/223

25(2)

Konferentsiya po reproduse racheta, konstrukrovaniyu i issledovaniyu
rashetnykh peredach i peredach gibkoy svyazi. Odessa, 1957
Mashart, konstruiruyushiy i issledovaniyu predstavlyi trudy konfer-
entsii, [tom] 2 [Design, Construction, and Analysis of Trans-
missions], Transactions of a Conference on Gear and Flexible Transmissions in Sov. Eng.
Construction, and Analysis of Gears and Flexible Transmissions, Vol. 2) [Odessa] Otdel'noye polozhenie, Izd-vo, 1958. 54 p. 3,000,
englike printied.

Spravochnik. Osnovnye politehnicheskoye obshcheshchee mashinostroitel'nyy spravochnik.
Mashinostroitelskaya obshcheshchee obshcheshchee mashinostroitel'nyy spravochnik.
Osnovnye. Osnovnye obshcheshchee spravochnik.

26.1. L.P. Rukhovich, Redactor; Tushch, M. A. Z. Konstruktor;
Bogaturov, I. A. Sistemnyi Chisliteliya i chisliteliya
Rashetnykh peredach, Candidate of Technical Sciences,
Scientist, K. V. Rukhovich, Redactor, M. N. Chisliteliya, Candidate
of Technical Sciences, K. V. Rukhovich, Candidate
of Technical Sciences, N. G. Klimov, Candidate
of Technical Sciences, V. P. Shaburov, Director of
Technical Sciences, V. P. Mal'tsev, Candidate of Technical Sciences, and I. B.
Slobodchikov, Candidate of Technical Sciences.

Purpose: The book is intended for engineers and technicians working
in the field of transmissions.

Content: This second volume contains articles on variable-speed
drives, flexible shafts, stepped wedges, multi-joint and flexible
chains, and friction gears. Theoretical and design problems are
presented in the first volume. The principles are mentioned.

TABLE OF CONTENTS:

Rukhovich, L.P. Friction generated from plastic belts on cylindrical
surfaces 1
Friction between belt and cylinder is analyzed from two points
of view, 1) when the cylinder is fixed, and 2) when the cylinder
is rotating and driving the belt. 3

Rukhovich, L.P. and A.I. Laike. Investigation of Uniforomy in
rotation of the Driver Belt or Impulse Variable-speed Drive
systems. For coefficient of nonuniformity in rotation, showing
dependency of nonuniformity on speed, is derived. An experimental
device for checking nonuniformity is described. 13

Rukhovich, L.P. Fundamentals of Constructing a Plastic Shaft
drive employing metal flexible wedge block secured to a wire
frame. It operates on the same principle as a belt drive. The
design and construction of the frame and wedge block are
described. The author states that experiments confirm the reliability, long life, and advantages
of this drive over V-belt drives. 35

Vol'man, G.I. Problems of Fertilology, Classification, and
Standardization of Plastic V-belt Chart. 71
The author points out the necessity for standardization of
flexible shafts and parts and recommends standardization similar
to the existing German system.

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KOGAN-VOL'MAN, G.I., kand.tekhn.nauk

Differential method used in selecting flexible wire shafts. Stroi. i
dor.mashinostr. 3 no.3:25-27 Mr '58.
(Shafting)

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CIA-RDP86-00513R000723620007-4"

117-58-6-29/36

AUTHOR: Kogan-Vol'man, G.I., Candidate of Technical Sciences

TITLE: A Conference on Problems of Calculation, Design, and Investigation of Gear Transmissions and Gears With Flexible Connections (Konferentsiya po voprosam rascheta, konstruirovaniya i issledovaniya zubchatykh peredach i peredach gibkoy svyaz'yu)

PERIODICAL: 'Mashinostroitel', 1953, Nr. 6, pp 43-44 (USSR)

ABSTRACT: At the end of 1957 a conference on problems of calculation, design, and investigation of gear transmissions and gears with flexible connections took place in Odessa. The conference was organized by the Odessa District Board of the Nauchno-tehnicheskoye obshchestvo mashinostroitel'noy promyshlennosti (Scientific Technical Society of the Machine Building Industry and the Odesskiy politekhnicheskiy institut (Odessa Polytechnical Institute). In the conference, 273 delegates from plants and scientific installations of Moscow, Leningrad, Odessa, etc. took part. Doctor of Technical Sciences, Professor V.N. Kudryavtsev (VVIA imeni Mozhayskiy) made a review of the methods of reducing the size and the weight of the gear transmissions. Candidate of Technical Sciences Ya.G. Kistyan (TsNIITMash) read a paper on the results of experiments into the process of sticking cogs

Card 1/4

117-58-6-29/36

A Conference on Problems of Calculation, Design, and Investigation of Gear Transmissions and Gears With Flexible Connections

onto straight-cogged wheels. Doctor of Technical Sciences Professor L.M. Novikov made propositions on point gears. Papers on this subject were also read by Candidate of Technical Sciences, Dotsent I.N. Grishel' (Leningrad Military Mechanical Institute) and the Candidate of Technical Sciences, Engineer, Lieutenant-Colonel R.V. Fedyakin (VVIA imeni Professor N.Ye. Zhukovskiy). The Candidate of Technical Sciences, Dotsent I.A. Bolotovskiy (Ufa Aviation Institute) read papers on "Blocking Contours and Their Use in the Design of Gear Transmissions" and "Rational Selection of Displacement Distribution Between Wheels Under Angular Correction by Means of Blocking Contours". Candidate of Technical Sciences P.S. Zak (Orguglemash), Candidate of Technical Sciences Ya.I. Diker (TsNIITMash), and Engineer I.S. Krivenko (Leningrad Shipbuilding Institute) read papers on worm gears. Doctor of Technical Sciences, Professor V.A. Yudin (Moscow Institute of Chemical Machine Building) read a paper on the geometry of planetary reducers with extra-polar gearing. Doctor of Technical Sciences Professor N.F. Rudenko (Wood Technical Academy) read

Card 2/4

117-58-6-29/36

A Conference on Problems of Calculation, Design, and Investigation of Gear Transmissions and Gears With Flexible Connections

a paper on the design, analysis of work theory and operation experience of the power drive in tunnel and shaft sinking machines with cycloid cutting. Engineer M.S. Belyayev (Odessa Polytechnical Institute) published a new method for calculating gear transmissions to work two pairs of cogs simultaneously. Candidate of Technical Sciences Z.P. Pavlov (TsNIITMash) read a paper on the influence of the hardness of cogs in combined wheels on the stress capacity of the gear. Candidate of Technical Sciences K.I. Zablonskiy (Odessa Polytechnical Institute), Candidate of Technical Sciences I.N. Frenkel' (TSNII TMash), Engineer A.P. Kuznetsov (ZIL, Moscow Automechanical Institute), Engineer B.S. Tafas (Kuybyshev Agricultural Institute) read papers on rigidity. Engineer O.I. Blokh (SKB-3, Odessa) spoke on precision problems in worm gears. Engineer V.P. Murashko (Odessa Polytechnical Institute) read a paper on methods of testing gear transmissions. Engineer G.M. Grekov (Odessa Technological Institute imeni I.V. Stalin) reported on methods of investigating surface wear in roller specimens. Candidate of Technical Sciences, Dotsent L.B. Erlikh (Odessa Poly-

Card 3/4

117-58-6-29/36

A Conference on Problems of Calculation, Design, and Investigation of
Gear Transmissions and Gears With Flexible Connections

technical Institute, SKB-3) reported on the automatic protection of gears from overload. Candidate of Technical Sciences, Dotsent V.F. Mal'tsev (Odessa Technological Institute imeni I.V. Stalin), Candidate of Technical Sciences A.I. Gofman (L'vov Wood Technical Institute), and Engineer M.A. Gringauz (Ivanovo District Board of the Society) presented papers on stepless gears. Engineer M.A. Gringauz also read a paper on the influence of manufacturing faults on the work of friction gears. Candidate of Technical Sciences, Dotsent A.A. Staroselskiy (Odessa Institute of Naval Engineers) reported on the classical theories of belt drives. Candidate of Technical Sciences G.I. Kogan-Vol'man (Odessa Technological Institute imeni I.V. Stalin) reported on gears with flexible wire rollers. Candidate of Technical Sciences, Dotsent M.S. Krovlevets (Kiyev Automobile Road Institute) reported on a new V-rope gear.

AVAILABLE:
Card 4/4

Library of Congress
1. Gear transmissions-Conference

S/117/60/000/005/012/013
A004/A002

AUTHORS: Mal'tsev, V. F., Kogan-Wol'man, G. I., Candidates of Technical Science

TITLE: Conference on Steplessly Controlled Mechanical Drives and Flexible Coupling Drives ✓

PERIODICAL: Mashinostroitel', 1960, No. 5, p. 43

TEXT: By the end of 1959, the Odessa NTO Mashprom and the Odesskiy tekhnologicheskiy institut imeni Stalina (Odessa Technological Institute imeni Stalin) convened a conference on problems of calculation, designing, manufacturing technology and operation of steplessly controlled mechanical drives and flexible coupling drives. More than 100 delegates from enterprises and scientific institutions of all important towns of the Soviet Union participated. N. I. Kolchin, Doctor of Technical Sciences, read a report on the effects of centrifugal forces on the traction properties of belt drives of various types. V. F. Mal'tsev, Candidate of Technical Science, Odessa Technological Institute imeni Stalin, elucidated the present state of mechanical stepless drives. G. A. Revkov (TsNIITMASH) reported on the results of

Card 1/4

S/117/60/000/005/012/013
A004/A002

Conference on Steplessly Controlled Mechanical Drives and Flexible Coupling
Drives

developing tore variators. He stated that a so-called "automator", which ensured the reversing of the output shaft, was developed, which represents the combination of tore variator and planetary mechanism. This "automator" can be used as servo-mechanism for remote and automatic controls. The report of A. I. Kemurdzhian treated the use of stepless friction gears with steel pulleys for operation with increased contact stresses. He indicated the possibility of friction gears with contact stresses up to $21,000 \text{ kg/cm}^2$. I. V. Bakh, Engineer, reported on problems connected with the design of stepless friction gears of high efficiency. Ye. I. Pirozhkov read a report on "The Synthesis of Stepless Planetary Friction Gears with Balanced Planet Pinions". V. P. Dymovskiy, Engineer (Odessa Polytechnic Institute) presented interesting material on the traction properties of friction gears. V. S. Porokhov of the Institut mashinovedeniya AN SSSR (Science of Machines Institute of AS USSR) gave an account of the results of experimental investigation on the nature of changes of friction forces during frictional rolling motion of lubricated rollers. V. R. Rybin of the Akademiya stroitel'stva i arkhitekturny SSSR (Academy of Building and Architecture of the USSR) reported on the operational results of tore

Card 2/4

S/117/60/000/005/012/013
A004/A002

Conference on Steplessly Controlled Mechanical Drives and Flexible Coupling
Drives

variators in the drives of air separators and vibro-drilling machines. B. A. Pronin, Candidate of Technical Science, of the Moskovskiy avtomekhanicheskiy institut (Moscow Automechanical Institute) reported on the results of thorough investigations of variators with wide V-belts. I. I. Vorob'yev, Candidate of Technical Science (ENIMS), read a report on the Institute's work in the field of variators with wide V-belts. N. B. Dunayev, Engineer (Khimapparatproyekt), gave a detailed account of a calculation method of block and belt variators developed by the Projecting Institute. V. M. Kugusheva, Engineer, of the Leningradskiy politekhnicheskiy institut imeni Kalinina (Leningrad Polytechnic Institute imeni Kalinina) has developed an original method of measuring the temperature in the interior parts of operating V-belts with the aid of auxiliary thermocouples. P. A. Lebedev, Candidate of Technical Science, of the Leningradskiy tekstil'nyy institut imeni Kirova (Leningrad Textile Institute imeni Kirov) explained the theory and principles of the stepless gear with automatically controlled transmission numbers, developed by him. I. S. Orlik, Engineer (Odessa Technological Institute imeni Stalin) reported on the results of investigating V-belt variators with grooved disks. V. P. Mal'tsev, Candidate

Card 3/4

S/117/60/000/005/012/013
A004/A002

Conference on Steplessly Controlled Mechanical Drives and Flexible Coupling
Drives

of Technical Science and A. I. Luizo, Engineer (Odessa Technological Institute imeni Stalin), reported on investigations of mechanisms of unrestricted motion of pulse variators. Their work made it possible to increase the durability of roller mechanisms by 2.5-3 times. The Conference decided to ask the Gosplan SSSR and the Komitet po avtomatizatsii i mashinostroyeniyu pri Sovete Ministrów SSSR (Committee at the Council of Ministers of the USSR for Automation and Mechanical Engineering) to organize the centralized production of several systems and designs of variators and, in the first place, stepless gears with wide V-belts for capacities up to 20-25 kw, as well as torque variators of the modernized TsNIITMASH design (with textolite rollers) for up to 20 kw power, and complex units of V-belt controlled gears with standard belts and regulation range of 1.5-2 for capacities up to 50 kw.

Card 4/4

KOGAN-VOL'MAN, Georgiy Isaevlevich; BASENIK, G.T., inzh., retsenzent;
ROMANOVSKAYA, Ye.I., inzh., retsenzent; SOKOLOVA, T.F., tekhn.
red.

[Transmissions with flexible wire shafts; manual] Peredachi s
gibkimi provolochnymi valami; spravochnik. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 229 p.
(MIRA 14:7)
(Shafting)

PHASE I BOOK EXPLOITATION

SOV/5766

Kogan-Vol'man, Georgiy Izraylevich

Peredachi s gibkimi provolochnymi valami; spravochnik (Flexible-Shaft Drives; a Handbook) Moscow, Mashgiz, 1961. 232 p. Errata slip inserted. 8000 copies printed.

Reviewers: G.T. Basenik, Engineer, and Ye. I. Romanovskaya, Engineer; Tech.
Ed: T.F. Sokolova; Managing Ed. for Informational Literature: G.A. Molyukov,
Engineer.

PURPOSE: This handbook is intended for technical personnel engaged in the design and operation of flexible-shaft drives.

COVERAGE: The book contains data necessary for the calculation, selection of shaft elements, design, and operation of flexible-shaft drives (power, instrument, and remote-control drives). Information is given on flexible-shaft drives used in the drives of mechanized tools and also on the construction of flexible shafts for automobiles. No personalities are mentioned. There are 15 references:
10 Soviet, 3 English, 1 German, and 1 Czech.

Card 34

KOGAN-VOL'MAN, G.I., kand. tekhn. nauk; KANTOR, F.M.

Experimental determination of bending rigidity of a flexible
wire shaft. Avt. prom. 29 no.11:23-24 N '63. (MIRA 16:12)

1. Odesskiy tekhnologicheskiy institut imeni M.V. Lomonosova.

KANTOR, F.M.; KOGAN-VOL'MAN, G.I.

Research on high-speed flexible shafts. Med. prom. 17 no.9;
40-43 S'63. (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov i Odesskiy tekhnologicheskiy institut imeni M.V. Lomonosova.

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KOGAN-VOL'MAN, G.I., kand.tekhn.nauk; KANTOR, F.M., inzh.

Friction losses in the flexible shaft of a high-speed drive for
a power tool. Stroi. i dor. mash. 9 no.12:24-26 D '64.

(MIRA 18:3)

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CIA-RDP86-00513R000723620007-4"

MAL'TSEV, V.F., doktor tekhn. nauk, prof.; KOGAN-VOL'MAN, G.I., kand.
tekhn. nauk, dotsent

Second conference on controlled progressive and flexible-
connection transmissions. Vest. mashinostr. 45 no.1:83-85
Ja '65.

(MIRA 18:3)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGAN-VOL'MAN, G.I., kand. tekhn. nauk, dotsent; GLOZMAN, V.M., inzh.

Effect of technological parameters on torsional rigidity of non-twisting flexible shafts. Vest. mashinostr. 45 no.6:19-24 Je '65.
(MIRA 18:6)

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"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGAN YASNYY, V. V.

28596

O Pryelaratakh Tyetraetilammoniya Vrachyeb Dyelo, 1949, No. 9 STB. 847-50

SG: LETOPIS NO. 38

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGAN-YASHNY, V.V.

Certain data on the effect of tetraethylammonium on blood pressure.
Klin.med., Moskva 29 no.3:90-91 Mar 51. (CLML 20:7)

1. Of the Department of Normal Physiology (Head--Prof. Ye.K. Prikhod'kova), Khar'kov Medical Institute, and of the Department of Pathological Chemistry (Head--I.B. Simon) and the Physiology Department of the Ukrainian Institute of Experimental Endocrinology, Khar'kov.

KOGAN-YASNYY, V. V.

AID P - 1421

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 18/23

Author : Kogan-Yasnyy, V. V., Scientific Worker

Title : The Scientific Session of the Donets Institute of
the Physiology of Labor

Periodical : Gig. i san., 1, 54-56, Ja 1955

Abstract : Deals with the discussions at the Donets Institute of the
Physiology of Labor (Director: L. E. Zhislin, Kand. of
Med. Sci.) in Stalino, in June 1954. Representatives
of the scientific research institutions of Moscow, Kiev,
Kharkov, the Donets Basin and the Stalino Medical
Institute and physicians of the Medical Service of Stalino
and Voroshilovgrad Provinces participated in the three
day sessions.

Institution: None

Submitted : No date

KOGAN-YASHNY, V.V.

Simple device for increasing the sensitivity of the arterial oscillograph. Vrach.delo no.3:285-286 Mr'58 (MIRA 11:5).

1. Kabinet funktsional'noy diagnostiki (zav. - V.V.Kogan-Yashny)
Moskovskogo gorodskogo vrachebno-fizikul'turnogo dispansera.
(SPHYGMOMANOMETER)

KOGANAS, L.S., kandidat meditsinskikh nauk.

Streptomycin therapy of tuberculosis of the trachea and main bronchi.
Vest. oto-rin. 16 no.5:67-68 S-0 '54.

(MLRA 7:12)

1. Iz Vil'yusskoy gorodskoy tuberkulesnoy bol'nitey.
(STREPTOMYCIN, therapeutic use,
tubero., bronchial & tracheal)
(TRACHEA, diseases,
tuber., ther., streptomycin)
(TUBERCULOSIS, PULMONA I, complications,
bronchial tubero., ther., streptomycin)
(TUBERCULOSIS,
of trachea, ther., streptomycin)

KOGANAS, L. S.

"Neuro-reflexory signs in tuberculosis of main bronchi," Klinicheskaya Meditsina (Clinical Medicine), Vol 32, No. 12, December 1954 (Moscow)

City Tuberculous Hospital in Vilnyus.

Comments K-3443, 27 May 55

~~KOGANAS~~ APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723620007-4
~~Meditinskikh nauk (Vil'nyus)~~

X-ray diagnosis of tuberculous lesions of the trachea and main bronchi. Klin.med.33 no.6:71-75 Je '55.(MLRA 8:12)

1. Iz tuberkulosnoy bol'nitsy Vil'nyusa (glavnyy vrach L.I. Ragalyavichyus)

(TUBERCULOSIS, PULMONARY, compl.

lesions of trachea & bronchi,x-ray diag.)

(BRONCHI, diseases

lesions, caused by pulm.tuberc.,x-ray diag.)

(TRACHEA, DIS.

same)

ACC NR: AT6030237

SOURCE CODE: UR/3223/64/000/002/0046/0056

AUTHOR: Koganer, S. E.; Leonov, V. A.

ORG: none

TITLE: Displaying the three-dimensional radar picture on a stereo tv-coordinate scope

SOURCE: Leningrad. Elektrotekhnicheskiy institut svyazi. Trudy nauchno-tehnicheskoy konferentsii LEIS, no. 2, 1964, 46-56

TOPIC TAGS: radar display equipment, stereoscopic display system

ABSTRACT: The formation of stereo displays is considered in which conjugate points are shifted through a linear-parallax value proportional to the depth coordinate and the linear-perspective law is taken into account. For better stereo perception, a reference scale grid is recommended; the reference signals can be obtained either from a stereo telediaprojector with diapositives (slides) or a special pair of monoscopes prepared from such diapositives. A block diagram of

Card 1/2

Card 2/2

L 33401-66 EWT(1)/FSS-2 WR
ACC NR: AR6012308

SOURCE CODE: UR/0274/65/000/010/B028/B028

AUTHOR: Koganer, S. E.; Leonov, V. A.

TITLE: Signal shaping in a stereoscopic tv-raster radarscope 24

SOURCE: Ref. zh. Radiotekhnika i elektronsvyaz', Abs. 10B194

REF SOURCE: Tr. Nauchno-tekhn. konferentsii Leningr. elektrotekhn. in-ta svyazi,
vyp. 2, 1964, 35-45

TOPIC TAGS: radar, stereoscopic radar

ABSTRACT: With the raster method of forming stereoscopic pictures, the coordinates of points with an allowance for parallax are translated into a time rectangular coordinate system in which the x-axis corresponds to the time elapsed from the beginning of the line, and the y-axis, to the time elapsed from the beginning of the frame. The voltage varying linearly for X, Y coordinates and nonlinearly for Z coordinate corresponding to P parallax serves as an equivalent of the time process in comparator-type scaling circuits. A block diagram of a radarscope having a high accuracy for Z-coordinate scaling is presented. An experimental hookup was built according to the above circuit; its operation corroborates the possibility of using the above principles for building the tv-raster type radarscope.
G. R. [Translation of abstract]

SUB CODE: 17

Card 1/1

JS

UNC: 621.396.963.33

24
B

L 33448-66 EWT(1)/FSS-2 WR
ACC NR: AR6012307

SOURCE CODE: UR/0274/65/000/010/B028/B028

AUTHOR: Koganer, S. E.; Leonov, V. A.

TITLE: Displaying 3-dimensional patterns on a stereoscopic tv-coordinate radarscope

SOURCE: Ref. zh. Radiotekhnika i elektronika, Abs. 10B193

REF SOURCE: Tr. Nauchno-tekhn. konferentsii Leningr. elektrotekhn. in-ta svyazi,
vyp. 2, 1964, 46-56

TOPIC TAGS: radar, stereoscopic radar

ABSTRACT: In the tv-coordinate method, target pictures are obtained by direct deviation of the radarscope beam to specified-coordinate points by sending pulses to the deflecting systems. Parallax is ensured by different horizontal deflections of the electron beam in the left and right video-control devices. The space grating and primary radar situation pictures can be displayed by a tv-raster which is switched sequentially with the images of the points. This method permits obtaining a vector picture of the target velocity. G. R. [Translation of abstract]

SUB CODE: 17

Card 1/1 *ply* UDC: 621.396.963.33

ACC NR: AR7004295

'SOURCE CODE: UR/0274/66/000/011/B022/B023

AUTHOR: Druzin, Ya. V.; Koganer, S. E.; Leonov, V. A.

TITLE: Display of color stereo pictures on an electron-beam tube with rotating screen

SOURCE: Ref. zh. Radiotekhnika i elektronika i elektrosvyaz', Abs. 11B174

REF SOURCE: Tr. Nauchno-tekhn. konferentsii Leningr. elektrotekhn. in-ta svyazi, vyp. 1, 1965, 66-76

TOPIC TAGS: radar, color tv, tv receiver

ABSTRACT: An electron-beam tube with the rotating screen whose both sides are coated with different phosphors permits obtaining two-color stereo pictures. Clear colors occur when the picture is scanned on one side of the screen. In order to obtain intermediate colors, the beam is gated twice during each revolution of the screen; the chrominance of the resulting picture is determined by the ratio of brilliances of the fundamental colors. The principles are considered of obtaining color pictures in the rotating-screen tube with red and green phosphors; the tube is intended to operate as a radar scope. The conditions of displaying constant-brightness color pictures are determined by means of a colorimetric analysis. An experimental verification included a magnetic-deflection tube equipped with deflection-pulse shapers, mixers, a sawtooth-voltage generator, output stages, comparison units, and amplifier stages. To obtain multi-

UDC: 621.396.963:535.62

Card 1/2

ACC NR: AR7004295

'APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723620007-4"

color pictures fluorescence channel is complemented by chrominance switches, by fluorescence-pulse shapers, and a mixer. Four figures. Bibliography of 2 titles.
N. S. [Translation of abstract]

SUB CODE: 09, 17

Card 2/2

KOGANER, V.; LISITSYN, A.; SVIDLER, B.

Electronic control of fuel injections. Za rul. 20
no.12:22-23 D '62.

(MIRA 15:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut
toplivnoy apparatury, Leningrad.
(Automobiles—Fuel systems)
(Electronic control)

2 6407-99 EMT(d)/EMT(h)/SWF(f)/T-2/EWA(c) WE
ACC NR: AP5026823

SOURCE CODE: UR/0286/65/000/017/0100/0101
INVENTOR: Budyko, Yu. I.; Koganer, V. E.; Dukhnin, Yu. V.; Lisitsyn, A. I.; Mal'tsev,
A. V.; Pavlyuchenkov, V. V.

TITLE: Fuel-injection system for internal-combustion engines. Class 46, No. 174468
(Announced by the Central Scientific-Research and Design Institute for Fuel Equipment
for Automotive and Stationary Engines (Tsentral'nyy nauchno-issledovatel'skiy i kon-
struktorskiy institut toplivnoy apparatury avtomobilej i statcionarnykh dvigateley))

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 17, 1965, 100-101

TOPIC TAGS: internal combustion engine, fuel dispersant, fuel injection, fuel in-
jector, engine fuel system

ABSTRACT: An Author Certificate has been issued for a fuel-injection system (see
Fig. 1) for internal-combustion engines, which contains plunger-pump sections, suc-
tion lines connected to a fuel tank or booster pump, injection lines connected to
nozzles, electromagnetic metering devices, and an electronic control unit. For im-
proved uniformity and accuracy in distributing fuel under all engine operating con-
ditions, the electromagnetic metering devices are installed along the suction lines

Card 1/2

UDC: 621.43.038.3

L 6407-66

ACC NR: AP5026823

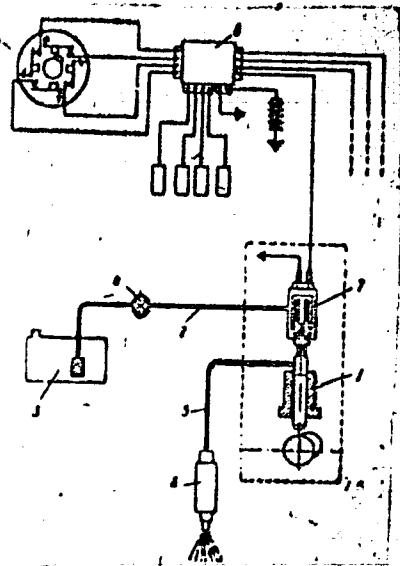


Fig. 1. Fuel-injection system

1 - Plunger-pump section; 2 - suction line;
3 - fuel tank; 4 - booster pump; 5 - in-
jection line; 6 - nozzle; 7 - electromag-
netic metering device; 8 - electronic con-
trol unit.

of the plunger-pump sections. These devices provide for fuel metering at low pres-
sures. Orig. art. has: 1 figure.

[LB]

SUB CODE: PR, GO/ SUBM DATE: 18Ju164/ ATD PRESS: 4181

OC
Card

AUTHORS:

Livshits, P.Yu., Koganer, V.E.

SOV-113-58-10-4/16

TITLE:

An Electronic Fuel Injection Control System (Sistema elektronnogo upravleniya vpryskom topliva)

PERIODICAL:

Avtomobil'naya promyshlennost', 1958, Nr 10, p 12 - 15 (USSR)

ABSTRACT:

The Tsentral'noye konstruktorskoye byuro toplivnoy appa-
tury - TsKB TA (Central Designing Office for Fuel Appara-
tus) developed an electronic fuel injection control system.
Figure 1 shows the circuit diagram of this system. It con-
sists of a transistorized kipp oscillator, a distributor and
electromagnetic injection nozzles. The electronic unit is
controlled by various transducers, for example a vacuum trans-
ducer in the intake channel, engine temperature transducer,
choke transducer and a transducer for sudden accelerations
of the engine. Tests were conducted on an ordinary one-cy-
linder L-head engine "L-2". A graph (Figure 9) shows that
the engine with electronic fuel injection control possesses
a higher efficiency than with an ordinary carburetor. TsKB TA

Card 1/2

An Electronic Fuel Injection Control System

SOV-113-58-10-4/16

is now testing the electronic fuel injection control system on a four-cylinder engine and on a vehicle. There are three graphs, six diagrams and 1 circuit diagram.

ASSOCIATION: Tsentral'noye konstruktorskoye byuro toplivnoy apparatury
(Central Designing Office for Fuel Apparatus)

1. Fuel injectors--Control systems 2. Electronics--Applications

Card 2/2

KONDRAT'YEV, Afanasiy Borisovich, kand.tekhn.nauk; YERSHOVA, Galina Nikolayevna, inzh.; MEE'SHIKOV, Ivan Alekseyevich, prof., doktor tekhn.nauk; MOSKOVSKIY, Mikhail Ivanovich, kand.tekhn.nauk; SOBOLEV, David Iosifovich, kand.tekhn.nauk; SMIL'GEVICH, Petr Kazimirovich, inzh.; SHIROKOV, Boris Ivanovich, kand.sel'sko-khoz.nauk; Prinimali uchastiye: TRMBIN, Boris Nikolayevich, inzh.; OSOBOV, Vedom Israilevich, inzh. BRIK, P.A., prepodavatel', retsentsent; IVANOV, V.A., prepodavatel', retsentsent; KOGANOV, A., prepodavatel', retsentsent; KONONOV, B.V., prepodavatel', retsentsent; MARKOV, G.Ya., prepodavatel', retsentsent; OSIPOV, G.P., prepodavatel', retsentsent; RYABOV, P.I., prepodavatel', retsentsent; SOLOV'YEV, K.Ya., prepodavatel', retsentsent; SOROKIN, V.Ya., prepodavatel', retsentsent; BANMIKOV, P., red.; VORONKOVA, Ye.., tekhn.red.

[Manual for collective farm machinery operators] Spravochnik makhinizatora sel'skogo khozyaistva. Penza. Penzenskoe knishnoe izd-vo, 1959. 610 p. (MIRA 14:2)

1. Saratovskiy institut makhinizatsii sel'skogo khozyaistva imeni M.I.Kalinina (for Brik, Ivanov, Koganov, Kononov, Markov, Osipov, Ryabov, Solov'yev, Sorokin).
(Agricultural machinery) (Farm mechanization)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

VZOROV, B.A., kand.tekhn.nauk; KUDYKO, Yu.I., kand.tekhn.nauk; KOGANER, V.E.;
MAL'TSEV, A.V.; ZAYCHENKO, S.N.; SATAROV, V.A.; ABOLTIN, E.V.

Brief news. Avt.prom. 31 no.10:40-48 0 '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, A. B.

Agriculture & Plant & Animal Industry

Electricity on a collective farm. Saratovsko obl. os. izd-vo, 1949.

9. Monthly List of Russian Accessions, Library of Congress, April 1957, Uncl.

2

KOGANOV, A. B.

Agriculture & Plant & Animal Industry.

Hourly work records in a tractor brigade. Saratovskoe obl. gos. izd-vo, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1957, Unc1.
2

KOGANOV, A. B.

Drill (Agricultural Implement)

Progressive methods for increasing productivity of sowing machinery. Dost. sel'khoz.
no. 8, 1952

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.

2

KOGANOV, A.

Combines (Agricultural Machinery)

Effectiveness of having tractors and combines operate according to a work sheet. Sots.
sel'khoz. 23 No 7 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1958, Unc1.

2

KOGANOV, A. B.

Agricultural Machinery

Timely maintenance is an important condition for high productivity in machinery.
Mekh. elek. sel'khoz. No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SVIRSHCHENSKIY, Bronislav Stanislavovich; ABIEKOV, M.S., red.; ANTONOVSKIY, B.N., red.; BUDNYAKOVA, A.V., red.; GLAZKO, V.G., red.; GOROBETS, P.Z., red.; DOKUCHAEV, A.P., red.; YELINOV, A.V., red.; KISHLEV, I.I., red.; KOGANOV, A.P., red.; KONDRAT'YEV, M.A., red.; KONTUSHKO, V.A., red.; KURGANOV, A.I., red.; PUTYATIN, M.D., red.; PERE, N.N., red.; LITVIN, B.Ya., red.; MAKHOVA, N.N., tekhn. red.; GOR'KOVA, Z.D., tekhn. red.

[Utilization of tractors and machinery] Eksploatatsiya mashinno-traktornogo parka, Izd.3., perer. Moskva, Gos. izd-vo sel'skhoz. lit-ry, 1958. 660 p.

(MIRA 11:10)

(Agricultural machinery)

KOG NOV, A.B., kand.tekhn.nauk

Calculating and figuring a method for unloading potatoes in harvesting
with a combine. Trakt. i sel'khozmash. no.7:25-26 J1 '59.

(Potatoes--Harvesting) (MRA 12:11)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, A.B.

The Kalinin Institute for mechanization of agriculture in Saratov,
Mokh. i elek. sets. sel'khoz, 17 no.1:60-61 '59. (KTRA 12:1)
(Saratov--Agricultural research)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, A.B., doktor tekhn. nauk

Methods for calculating continuous production lines for crop
harvesting. Mekh. i elek. sots. sel'khoz. 21 no.3:18-19 '63.
(MIRA 16:8)

1. Saratovskiy institut mekhanizatsii sel'skogo khozyaystva
imeni M.I. Kalinina.
(Harvesting)

KOGANOV, A.B., prof.

Placement of mineral fertilizers. Zemledelie 27 no.4:37-39 Ap '65.
(MIRA 18:4)

1. Saratovskiy institut mekhanizatsii sel'skogo khozyaystva.

KOGANOV, E. S.

"Analysis of the Production Cost and the Net Cost of Passenger Transportation
in the Moscow City Transit." Sub 23 Feb 51, Moscow Engineering-Economics
Inst imeni Sergo Ordzhonikidze

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

LISOVIN,V.P.; KOGANOV,B.S.

Results of a study of the flow of passenger traffic on the Moscow subway. Gor. khoz. Mosk. 29 no.6:10-15 Je '55. (MIRA 8:8)
(Moscow--Subways)

KOGANOV, B.S.

LISOVII, V.P.; KOGANOV, B.S.

Importance of the subway for the general city transportation and
next tasks for its development. Gor.khoz.Mosk.30 no.12:19-21 D '56.
(Moscow--Subways) (MLRA 10:2)

LISOVIN, V.P.; KOGANOV, B.S.

Investigating the passenger flow in subways. Gor.khoz.Mosk. 34
no.7:19-24 Jl '60. (MIRA 13:7)

1. Upravleniye moskovskogo metropolitena.
(Moscow—Subways)

KOGANOV, B.S., inzh.

Cost of transportation and time during which capital investments
pay for themselves on the Moscow subway. Gor. khoz. Mosk. 36
no.9:25-27 S '62. (MIRA 15:10)
(Moscow—Subways)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, B.S., inzh.

Traffic and carrying capacity of the subway. Gor.khoz.Mosk.
36 no.2;18-19 F '62. (MIRA 16:2)
(Moscow—Subways)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, D.Ya., inzh.; BYDNL'NANT, L.B., inzh.

Planning of organizations for mechanized assembly operations.
Nov. tekhn. mont. i spets. rab. v stroi. 21 no.2:11-14 F '59.
(MIRA 12:1)

1. Proyektno-konstrukterskaya kontora Mekhanomontazhproyekta
Ministerstva stroyitelstva RSFSR.
(Blast furnaces) (Cranes, derricks, etc.)

KOGANOV, I.A.; SHEYNIN, G.M.

Machining cylindrical cams with small radii of the profile curvature.
Stan. instr. 36 no. 4:29-30 Ap '65. (MIRA 18:5)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, I.A.; KOZLOV, A.P.; FEDOROV, Yu.N.; SHEYNIN, G.M.

Increasing the productivity of machining. Mashinostroitel' no.38
12-13 Mr '65. (MIRA 18:4)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, I. A.

"Investigation of Methods of High-Speed Milling of Gear Profiles." Cand Tech Sci,
Moscow Machine Tool and Tool Inst imeni I. V. Stalin, 24 Feb 54. Dissertation
(Vechernaya Moskva Moscow, 12 Feb 54)

SO: JUM 186, 19 Aug 1954

GEYLDMAN, A.I.; KARAEV, V.P.; KOGANOV, I.A.; PETRUKHIN, S.S.; SEMIN, V.S.

Semiautomatic machine for manufacturing chains for the "Tula" sewing machines. "Mashinostroitel" no.11:11-13 N '59. (MIRA 13:3)
(Machine tools) (Sewing machines)

KARAEV, V.P.; KOGANOV, I.A.

Clutch with n revolutions counted by a register. Stan.1
instr. 31 no.8r37 Ag '60. (MIRA 13:8)
(Clutches(Machinery))

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, I.A.; SHEYNIN, G.M.

Grinding disk cams operating with a roller-type follower.
Stan. i instr. 34 no.11:27-28 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, L. (Sverdlovsk)

Restless character. Prom.koop. no.4;30-31 Ap '56.
(Sverdlovsk--Rubber industry) (MIRA 9:8)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, M.I.

Painless labor by suggestion without preliminary hypnosis. Akush.gin.
no.2:31-34 Mar-Apr 51. (CLML 20:8)

1. Candidate Medical Sciences. 2. Of the Obstetric-Gynecological
Clinic (Head--Prof. D.Ye.Shamundak), Khar'kov Medical Institute.

KOGANOV, V. Yu.

112-2-4036

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p. 217 (USSR)

AUTHOR: Koganov, V.Yu.

TITLE: The Use of Automatic Regulators in Blast-Furnace
Operations (Primeneniye avtomaticheskikh reguljatorov
v domennom proizvodstve)

PERIODICAL: Byull. Tsentr. in-t inform. chernoy metallurgii, 1956,
Nr 4, pp.4-11

ABSTRACT: A standard system is given for the control and automatic
regulation of a blast-furnace and of its auxiliary units.
Descriptions and diagrams of several instruments in use
and recommendations for adjusting and operating them are
given.

I.I.S.

Card 1/1

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

KOGANOV, V.Yu., kandidat tekhnicheskikh nauk.

Automatic machinery controls smelting processes. Mauka i shema: 23
no.5:11-14 '56. (MLRA 9:8)
(Smelting) (Automatic control)

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

KOGANOV, V.Yu., kand. tekhn. nauk.

INTRODUCING automatic control of open-hearth furnaces in the U.S.S.R.
Biul. TSNIICHEM no.16:8-17 '57. (MIRA 11:5)
(Open-hearth furnaces) (Automatic control)

1) ocherk o - vse
GINDINA, M.M.; KOGANOVA, G.V.; LARICHINA, O.M.; MELKOVA, A.Ye.; POLYAKOVA,
M.O.; SKOBELKINA, I.P.; IKONNIKOV, V.V., prof. otvetstvennyy red.
ROSECHINA, L., red.izd-va; IMBEDEV, A., tekhn.red.

[State Bank of the U.S.S.R.; a brief account on the fortieth
anniversary of the October Revolution] Gosudarstvennyi bank SSSR;
kratkiy ocherk k sorokalietiiu Oktyabria. Moskva, Gosfinizdat,
1957. 254 p. (MIRA 11:2)

1. Gosudarstvennyi bank, Moscow.
(Banks and banking)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4



APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723620007-4"

LAUER, N.V.; KOGANOVSKAYA, M.M. [Kohenovs'ka, M.M.]

Characteristics of changes in the electrocardiogram in hypoxia
at an early age. Fisiol. zhur. [Ukr.] 9 no.5:601-607 S-0'63
(MIRA 1784)

1. Laboratoriya vozrastnoy fisiologii Instituta fisiologii
imeni Bogomol'tsa AN UkrSSR, Kiев.

LAUER, N.V.; SEREDENKO, M.M.; KOGANOVSKAYA, M.M.; TURANOV, V.V.;
KOLCHINSKAYA, A.Z.

Changes in hemodynamics in old age in hypoxia. Vop. geron. i
geriat. 4:54-59 '65. (MIRA 18:5)

1. Institut fiziologii imeni Bogomol'tsa AN UkrSSR, Kiyev.

ZEL'MANOVICH, R.Ya.; GOYMAN, I.L.; KOGANOVSKAYA, S.N.

Comparative effect of antibiotics in vitro on culture of bacteria
from the genus *Salmonella*. *Antibiotiki* 4 no. 5:88-90 8-0 '59.
(MIRA 13:2)

1. Sanitarno-epidemiologicheskaya stantsiya (glavnnyy vrach M.G.
Gilel's) Sverdlovskogo rayona Moskvy.
(*SALMONELLA* pharmacol.)
(*ANTIBIOTICS* pharmacol.)

KOGANOVSKIY, A.G.

Present state of sardine stocks. Trudy sov. Ikht. kom. no.10:149-150
160.
(MIRA 13:10)

1. Tikhookeanskiy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii-(ТИИРО).
(Pacific Ocean--Sardine fisheries)

KOGANOVSKIY, A.M.; ROVINSKAYA, T.M.

Dependence of adsorption from aqueous solutions on the structure
of solutes. Part 4: Hydration and activity of adsorbed molecules
of benzene derivatives. Koll. zhur. 25 no.4:447-454 Jl-Ag '63.
(MIRA 17:2)

CONFIDENTIAL

CONTENTS AND PROPERTY PAGE

2

Catalytic hydrogenation over water by charcoal and iron hydride catalyst. Influence of fractional hydrolysis on Catalytic reduction. L. A. Kestens and A. M. Koslowski (U.S. Patent Office, Washington, D.C., U.S.A.) (1944) (Machine readable). A number of different forms of reduced metal were active catalysts. Iron hydride catalyst was studied. All hydrides at the hydrogen pressure. Strongly hydrated Fe hydrides had large sorption capacity which aids catalytic reactions. Combustion and removal of organic materials was attributed to surface oxidation of reduced metal by oxygen.

O. M. Koslowski

ABD-51A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED		INDEXED		
SERIALIZED		FILED		
SEARCHED	INDEXED	SERIALIZED	FILED	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	SEARCHED	INDEXED	SERIALIZED	FILED

KUL'SKII, L. A.

USSR/Medicine - Water, Purification
Chemistry- Coagulation

Jun 48

"The Use of Coagulants in Purifying Drinking Water," L. A. Kul'skiy, and A. M. Koganovskiy, Inst of Gen and Inorg Chem Acad Sci USSR, 4 $\frac{1}{4}$ pp

"Gig i San" No 6

Studies coagulation of humus water by mixed ironaluminum coagulants, containing aluminum sulfate. Explored possibility of partial replacement of aluminum coagulant with iron in highly colored humus waters without adversely affecting quality of purification and of accelerating coagulation and decreasing expenditure of coagulant. Effective results obtained but further experiments needed before introduction of method.

PA 14/49 T44

(A)

The sorption of sulfide, I, Morgan's leathers of
substituted dyed and humic acids by the salts of iron hy-
droxide and aluminum hydroxide. A. M. Koganovskii,
Kolod. Zhez. 11, 557-63 (1949).—(17) Fe_2O_3 and Al_2O_3
took up Little Congo red from sulf. in 0.01 N NaCl, and
the sorption isotherm was of the Langmuir type. The
isotherm of sorption of dye and Na humate by wet
 Fe_2O_3 and Al_2O_3 from sulf. in 0.01 N NaCl showed sharp
min. and max.; often these were more pronounced and the
so-called const. x/m was greater the more H_2O was present in
the adsorbent (up to 80%). This happened because H_2O
and water content of dye and humate increased the dis-
persing D of the sorbent; sedimentometric analysis proved
that D of a sorbent const. a small x/m was less than that
when x/m was greater. The electrophoretic velocity of
 Fe_2O_3 decreased when x/m increased without any singular
point; hence the change in D was not caused by an elec-
trophoretic action. The max. x/m observed along the first branch of
the isotherm (at low concn. of dye) for Fe_2O_3 constg.
77.5% H_2O was 84, 44, 4.9, 0.8, 8.7, and 0.3 mg./g. for
water blue, Congo red, indigo carmine, methyl orange,
neutral red, and methylene blue, resp. T. I. B.

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Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Water, Sewage, and Sanitation

(C) Chem
The influence of anions contained in natural waters on
the speed of coagulation of aluminum hydroxide sol
Kul'shil', A. M. Korotkovskii, and M. A. Shevchenko,
Obrnaya Khim. Zhurn. 16, No. 1, 64-72 (1980).
industrie 65, 36(1981).—Al(OH)₃ sol was prep'd. by pptn.
of a soln. of AlCl₃ by NH₄OH, precipitation with HCl at the
b.p., and dialysis for 10-12 days. At 20 ± 0.5° the ionic
accelerate the coagulation of the sol increases in the order:
Cl⁻, OH⁻, HCO₃⁻, SO₄²⁻; an excess of ions does not
retard coagulation. Binary mixts. of ions are more active
than would be expected from their separate activities; thus
an instantaneous coagulation is obtained with a concn. of
HCO₃⁻ plus SO₄²⁻ equal only to 60% of the sum of the
concns. necessary to obtain coagulation separately.
Braham Norwade

4/8/54
BW

1. KOGANOVSKIY, A. M.
 2. USSR (600)
 4. Water - Purification
 7. Joint session on improvement of the quality of drinking water. Ukr. khim. zhur. 16, No. 5, 1950.
9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

CA

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Effect of coagulation of colloidal aluminum and iron hydroxides on the variation of the accessibility of their surfaces. A. M. Komarovskii (Acad. Sci. Ukrain. S.S.R., Kiev). Khim. Znam., 15, 283-8 (1961).—The extent of surface of Fe(OH)_3 (I) and Al(OH)_3 (II) sols was estd. from

the amt. of Congo red (III) and basic acid (IV) irreversibly adsorbed by compounding sol. Electrodialyzed I was introduced into 0.008 N NaHCO_3 either simultaneously or 1 min. earlier than III. The amt. α of III adsorbed was approx. 0.15 g. per g. I, almost independently of r (up to 1 hr.). When FeCl_3 rather than I sol was used, α was 0.4 at $r = 80$ sec. and 0.3 at $r = 1$ min. Thus in the moment of prep., I sol has a greater surface than after aging for 1 min. or more. An analogous (though smaller) decrease of α with increasing r was observed when $\text{Al}(\text{SO}_4)_2$ sols were mixed with 0.008 N NaHCO_3 and III or IV. The greater initial α was not due to coagulation of III and IV by Fe^{+++} or Al^{+++} , as the decrease of α with increasing r took place also when II was prep'd. from NaAlO_2 and AcOH . When I was coagulated by ternary mixts. of NaCl , Na_2SO_4 , and NaHCO_3 at the const. concn. of 0.01 g. equiv./l., α was independent of the compn. of the mixt., whereas the rate of coagulation was smaller, the greater the amt. of NaHCO_3 . The α increased with the final concn. of III irregularly when II was the adsorbent, but α of IV increased as in the usual adsorption isotherms. The particle surface in a sol formed in the presence of a colloidal impurity is greater than that of pure sol. J. J. Bikerman

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KOGANOVSKIY, A. M.

✓ Role of colloid-chemical processes in the purification of water by coagulants. A. Kul'ski and A. M. Koganovskii (*Ukr. Khim. Zhur.*, 1952, 18, 197-212).—A study of the adsorption of humic substances etc., on Fe(OH)_3 and Al(OH)_3 indicates that the essential process in the purification of water is the adsorption of impurities on to the colloidal hydroxide, and that coagulation serves merely to remove that latter from the purified water. R. C. MURRAY.

Inst. Chem. & Inorganic Chemistry, AS Ukr. SSR

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KOZANOVSKIY, A.M.; PETRENKO, V.O.

Absorption of colloids in a suspended layer. *Kolloid. Zhur.* 15.
99-107 '53. (MLRA 6:3)
(CA 47 no.16:7855 '53)

1. Acad. Sci. Ukrain. S.S.R., Kiev.

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